

Silwet™ Focus

PRODUCT DESCRIPTION

Silwet Focus is an excellent candidate to consider for drone spray application as it is an ethoxylated trisiloxane based super spreader adjuvant that reduces the surface tension of spray solutions beyond what is typically achievable with conventional nonionic surfactants, improving deposition and coverage that are strong benefits during drone applications.

KEY FEATURES & TYPICAL BENEFITS

- Specially designed and thought for use in drone spray applications
- Super spreader for soluble liquid and concentrated emulsifiable formulations
- Promotes spray volume reduction
- Can significantly improve spray coverage
- Promotes rapid uptake of agrochemicals (rainfastness)

CERTIFICATIONS & STANDARDS⁽¹⁾

- Meets EPA 40 CFR §180.910 requirements⁽²⁾.
- Biodegradability: 62% at 28 days (OECD 310B).

TYPICAL PHYSICAL PROPERTIES

PROPERTY	VALUE
Appearance	Pale yellow liquid
Surface tension (0.1%, mN/m)	21.5
Spread diameter ⁽³⁾ (0.1%, mm)	50
Viscosity (25 °C, cPs)	35
Solubility in water (20 °C)	Dispersible
pH (10%)	7.6
Density (g/cm ³)	1.020
Pour point (°C)	-8
Flash point (°C)	118
Cloud point (0.1%, °C)	10

Typical properties are average data and are not to be used as or to develop specifications.

(1) For further information please contact your local Momentive representative.

(2) The components meet the requirements of U.S. regulation EPA 40 CFR §180.910 and, therefore, are exempt from tolerances when used as an inert ingredient in agricultural applications in accordance with the other conditions of that regulation.

(3) Spread of a 10 µL drop on a flat polystyrene surface.

POTENTIAL APPLICATIONS AND USE RATES

APPLICATION	TYPICAL USE RATE
Fertilizers and Micronutrients	0.10% to 0.50%
Fungicide	0.10% to 0.50%
Herbicide	0.10% to 0.50%
Insecticide	0.10% to 0.50%
Plant Growth Regulators	0.10% to 0.50%

Use rates are dependent on crop, agrochemical, and spray volume requirements.

Adjust spray volume to avoid run-off: use lower water volume for easier-to-wet crops; use higher water volume in larger, dense canopies.

Silwet Focus is suitable for use on most horticultural crops, but Momentive advises testing a small area first for phytotoxicity before spraying larger areas.

Do not mix Silwet Focus with spray oils as phytotoxicity may occur.

GENERAL CONDITIONS FOR USE

AS A TANK-MIX ADJUVANT

For drone spray applications, where ultra-low volumes in spray applications are used, Silwet Focus can improve the spray coverage, canopy penetration, and droplet deposition, while also improving the pesticide uptake. Silwet Focus is most effective as a tank-mix adjuvant when spray mixtures are within a pH range of 5 to 8 and used within 24 hours of preparation. Silwet Focus should be used between 0.1 to 0.5%. For applications with contact products consider a dose of 0.10 to 0.25%, for applications with systemic products consider a dose of 0.25 to 0.50%.

PATENT STATUS

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

PRODUCT SAFETY, HANDLING AND STORAGE

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

LIMITATIONS

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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